UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/082,348	02/26/2002	Pasi Laurila	P 290657 2990360US/SML/ko	9575

7590 09/09/2004	EXAMINER
PILLSBURY WINTHROP LLP	IQBAL, KHAWAR
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ART UNIT	PAPER NUMBER
2686	7

McLEAN, VA 22102

DATE MAILED: 09/09/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>03</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____.

2a)☐ This action is **FINAL.**   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☐ Claim(s) _____ is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-24* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>6</u>.

4)☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 112

1.   Regarding claims 11 and 22, the phrase "such as" renders the claim indefinite

because it is unclear whether the limitations following the phrase are part of the claimed

invention. See MPEP § 2173.05(d).

2.   Claims 1, 13 are objected to because of the following informalities: The use of

"and/or" makes the claim indefinite since the slash mark means either "and" or "or".

Appropriate correction is required.

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by
> another filed in the United States before the invention by the applicant for patent or (2) a patent
> granted on an application for patent by another filed in the United States before the invention by the
> applicant for patent, except that an international application filed under the treaty defined in section
> 351(a) shall have the effects for purposes of this subsection of an application filed in the United States
> only if the international application designated the United States and was published under Article 21(2)
> of such treaty in the English language.

4.   Claims 1-11,13-22 and 24 are rejected under 35 U.S.C. 102(e) as being

unpatentable by Hsu et al (6587684).

5.   Regarding claim 1 Hsu et al a method of providing telecommunication services in

a telecommunication system comprising at least one terminal, a serving network

providing the terminal with services, and at least one bearer network in functional

connection with the serving network, the method comprising (figs. 1,4):

creating at least one database comprising subscriber data, from which there is a

functional connection to the bearer network (col.14, lines 50-65);

establishing a connection between the serving network and the terminal being

established by means of a subscriber application comprised by the terminal (col.14, line

65-col. 15, line6);

establishing a data transmission connection between the terminal and said

subscriber database (col.15, lines 1-10);

checking the right of the terminal to use said subscriber database (col.15, lines 7-

25);

transmitting subscriber data from said subscriber database and/or the bearer

network to the terminal and/or the serving network in response to the terminal having

the right to use said subscriber database (col.15, lines 10-29); and providing the

terminal with services according to at least said transmitted subscriber data (col. 15,

lines 10-40).

Regarding claim 13 Hsu et al a telecommunication system comprising at least

one terminal, a serving network providing the terminal with services, and at least one

bearer network in functional connection with the serving network, wherein the bearer

network is configured to create at least one database comprising subscriber data, a

functional connection being configured between said at least one subscriber database

and the bearer network (figs. 1,4);

the terminal and the serving network are configured to establish a connection by

means of a subscriber application comprised by the terminal (col.14, lines 40-65);

the terminal and the serving network are configured to establish a data

transmission connection between the terminal and said subscriber database (col.14,

line 55-col. 15, line 10);

said subscriber database is configured to check the right of the terminal to use

said subscriber database (col.15, lines 11-29);

said subscriber database and/or the bearer network are/is configured to transmit

subscriber data to the terminal and/or serving network in response to the terminal

having the right to use said subscriber database; and the serving network is configured

to provide services for the terminal in accordance with at least said transmitted

subscriber data (col.15, lines 15-50).

Regarding claims 2,14 Hsu et al wherein said subscriber data to be transmitted

comprise a subscriber identifier (col. 14, lines, 40-45, 50-65).

Regarding claims 3,15 Hsu et al wherein said subscriber data to be transmitted

to the serving network comprise a subscriber identifier according to said subscriber

database; said subscriber identifier is associated in the serving network with the

identifier of the subscriber application comprised by the terminal; the terminal is

identified outside the serving network on the basis of said subscriber identifier; and data

to the subscriber of said subscriber database are directed in the serving network to the

terminal (col. 14, lines, 40-65, col. 15, lines 10-29).

Regarding claims 4,16 Hsu et al wherein the address of said subscriber

database, such as an IP address, is transmitted from the terminal to the serving

network; and a connection is established from the terminal to said subscriber database

on the basis of the address of said subscriber database (col. 14, lines, 40-67).

Regarding claims 5,17 Hsu et al transmitting location information about the

terminal to at least one bearer network; and transmitting data directed to the subscriber

of said subscriber database to the serving network on the basis of said location

information (col. 15, lines 51-59).

Regarding claims 6, Hsu et al wherein said subscriber data comprise information

about the services to be provided for the subscriber (col. 15, lines 10-40).

Regarding claims 7,18 Hsu et al wherein said subscriber data comprise the

subscriber's personal data (col. 14, lines 50-65, col. 15, lines 10-40).

Regarding claims 8,19 Hsu et al wherein services of the bearer network are

activated for use for the terminal by means of said transmitted subscriber data (col. 14,

lines 50-65, col. 15, lines 10-40).

Regarding claims 9,20 Hsu et al wherein the information about said subscriber

database to be used is transmitted from the terminal to the serving network (col. 14,

lines 40-65).

Regarding claims 10,21 Hsu et al arranging the subscriber data in said

subscriber database to be modified by the terminal and/or the bearer network (col. 16,

lines 53-65).

Regarding claims 11,22 Hsu et al wherein said telecommunication system is a

mobile communication system; and said subscriber database comprises data that are at

least partly the same as in the subscriber application, such as a USIM application (col.

14, lines 30-50).

As to claim, it is considered that 24 is broader than claim 1 and therefore the

claim 24 is rejected for the same reason as set forth in the claim 1.

Claim Rejections - 35 USC § 103

6.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

7.   Claims 12, 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Hsu et al (6587684) and further in view of Oh (6519458).

8.   Regarding claims 12,23 Hsu et al teaches the thin client browser software is

executable by the CPU 80 and has a size of about 100-200 kilobytes. The thin client

browser 88 uses an internet URL-encoding format, for example device://file/parameters,

to communicate between the digital telephone 16 and an addressed server, such as the

proxy gateway server 20 or the provisioning server 24. Hsu et al does not specifically

teach wherein the connection between the terminal and said subscriber database is

established by using WAP technology.

In an analogous art, Oh et al teaches wherein the connection between the

terminal and said subscriber database is established by using WAP technology (col. 3,

lines 3342, col. 5, lines 58-65). The WAP is a protocol, which is being diversified and

standardized in various modes, that enables the mobile terminal itself to carry out an

Internet service, facsimile service, electronic mail service and TCP/IP connection,

through wireless connection. Therefore, it would have been obvious to one of ordinary

skill in the art at the time the invention was made to modify the device of Hsu et al by

specifically adding features the terminal and the subscriber database is established by

using WAP technology in order to the IP address of an Internet application based on

WAP as taught by Oh et al.

Conclusion

9.   The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure. Leung (676044), Adamany et al (6735429), Lee et al (6751459),

Mizutani et al (6731621), Lim (6697355), Mijares et al (6683881), Joong (6549776),

Chow et al (6594488), Feltner et al (6515997), Skog (6427076) and Dynarski (6272129)

teach IP-Address is the address being sniffed and "domain" is the domain of the WAP

authentication server.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to KHAWAR IQBAL whose telephone number is 703-306-

3015.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, **BANKS-HAROLD, MARSHA**, can be reached at 703-305-4379.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2684 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Khawar Iqbal

LESTER G. KINCAID
PRIMARY EXAMINER